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Phone: (575) 393-6161 Fax: (575) 393-0720
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District III
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Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S St Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

FORM C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-45535		² Pool Code 97869		³ Pool Name SWD: Devonian - Silurian					
⁴ Property Code 322996		⁵ Property Name SHINNERY OAK SWD						⁶ Well Number 3	
⁷ OGRID No. 245872 328762		⁸ Operator Name SAN MATEO STEBBINS WATER MANAGEMENT, LLC						⁹ Elevation 3322'	
¹⁰ Surface Location									
TL or lot no. 13	Section 2	Township 21-S	Range 28-E	Lot Idn -	Feet from the 3333'	North/South line SOUTH	Feet from the 1015	East/West line WEST	County EDDY
¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. -	Section -	Township -	Range -	Lot Idn -	Feet from the -	North/South line -	Feet from the -	East/West line -	County -
¹² Dedicated Acres 40		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No. SWD-1881			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

						¹⁷OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.	
						Signature <i>B. Willey</i> Date <i>9/20/19</i> Brian Willey Printed Name bwilley@sanmateomidstream.com E-mail Address	
SURFACE LOCATION NEW MEXICO EAST NAD 1927 X=583630 Y=549753 LAT.: N 32.5110896 LONG.: W 104.0620391 NAD 1983 X=624811 Y=549815 LAT.: N 32.5112091 LONG.: W 104.0625410						¹⁸SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.	
						Date of Survey <i>08/01/2019</i> Signature <i>[Signature]</i> Certificate Number	



7821 Will Rogers Blvd.
Fort Worth, Texas 76140
817.568.1038 (office)
817.568.1499 (fax)
www.msdir.com

MS Directional Survey Data Certification

MS Directional Job Number: MSMO-70360
Survey Type: MWD
Operating Company: Matador Production Company
Well Name & Number: Shinnery Oak SWD #003
Location: Eddy County, NM
API Number: 30-015-45535
Tie In Depth: 1,433' MD
Surveyed Depths: 1,585' – 14,258' MD
Projected TD Survey: 14,310' MD
Dates Performed: 10/02/2019 – 11/06/2019

I certify that the data is true, correct and complete and within the limitations of the tool set forth by MS Directional; that I am authorized and qualified to make this report and that I have reviewed this report and find it conforms to the principles and procedures as set forth by MS Directional.

Matt Richmond

Digitally signed by:

MWD Surveyor Name: William Richmond

Date: 11-22-2019

Email: William.Richmond@msdir.com

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V09.04.02

SURVEY CALCULATION PROGRAM

11/21/19 16:05

Company:	Matador Production Co.
Well Name:	Shinnery Oak SWD #003
Location:	Eddy County, NM
Rig:	Patterson #282
Job Number:	MSMO-70360
API #:	30-015-45535

Magnetic Declination: 7.00

REFERENCED TO GRID NORTH

Proposed Direction: 0.00

0.00

Vertical Section Azimuth: Minimum Curvature

#	Depth Feet	Inc Degrees	Azim Degrees	TVD Feet	N/S Feet	E/W Feet	Surface		Distance	Azim	DLS/ 100	BUR/ 100'
							Vert Sec					
PTB:	MD			INC	AZM	TVD	N/S	E/W		VS		
	14,310			1	77.5	14295.26	-92.59	-65.75		-92.59		

TIE IN	1,433	1.37	124.99	1430.90	-62.09	35.27	71.41	150.40	-0.31
1	1,585	0.90	19.90	1582.82	-62.01	37.16	72.29	149.06	1.20
2	1,774	1.10	12.00	1771.79	-58.84	38.05	70.07	147.11	0.13
3	1,974	0.70	359.60	1971.77	-55.74	38.44	67.71	145.41	0.22
4	2,163	1.40	214.30	2160.75	-56.49	37.13	67.60	146.69	1.07
5	2,352	1.50	207.10	2349.69	-60.60	34.70	69.83	150.21	0.11
6	2,541	1.30	208.90	2538.64	-64.68	32.54	72.40	153.30	0.11
7	2,732	0.90	203.00	2729.60	-67.96	30.90	74.66	155.55	0.22
8	2,919	4.70	183.70	2916.34	-76.96	29.84	82.54	158.81	2.07
9	3,109	10.60	166.80	3104.59	-101.77	33.33	107.08	161.87	3.29
10	3,246	10.00	162.10	3239.38	-125.35	39.86	131.54	162.36	0.75
11	3,415	9.20	160.20	3406.02	-152.03	48.95	159.71	162.15	0.51
12	3,604	6.40	159.00	3593.25	-176.08	57.84	185.34	161.82	1.48
13	3,791	3.40	159.20	3779.55	-191.00	63.55	201.29	161.60	1.60
14	3,980	1.70	128.50	3968.36	-197.98	67.73	209.25	161.11	1.12
15	4,168	0.30	42.20	4156.33	-199.36	70.24	211.37	160.59	0.91
16	4,356	1.00	343.90	4344.32	-197.42	70.12	209.50	160.45	0.47
17	4,544	2.10	331.10	4532.25	-192.82	68.00	204.46	160.57	0.61
18	4,732	1.90	329.20	4720.13	-187.13	64.74	198.01	160.92	0.11
19	4,921	1.80	328.20	4909.03	-181.92	61.57	192.05	161.30	0.06
20	5,109	1.60	333.20	5096.95	-177.06	58.83	186.58	161.62	0.13
21	5,296	1.70	332.70	5283.87	-172.27	56.38	181.26	161.88	0.05
22	5,485	1.70	331.10	5472.79	-167.32	53.74	175.74	162.19	0.03
23	5,674	1.60	333.00	5661.71	-162.52	51.19	170.39	162.52	0.06
24	5,767	1.40	333.40	5754.68	-160.35	50.09	167.99	162.65	0.22
25	5,957	1.50	333.70	5944.62	-156.04	47.95	163.24	162.92	0.05
26	6,146	1.40	322.90	6133.56	-151.98	45.46	158.64	163.35	0.15
27	6,334	1.50	308.90	6321.50	-148.61	42.16	154.47	164.16	0.20
28	6,523	1.80	284.40	6510.42	-146.31	37.36	151.01	165.68	0.40
29	6,711	2.10	295.90	6698.32	-144.07	31.40	147.46	167.70	0.26
30	6,899	2.00	305.00	6886.20	-140.69	25.62	143.00	169.68	0.18
31	7,087	1.80	312.80	7074.09	-136.80	20.76	138.37	171.37	0.17
32	7,276	1.90	328.20	7262.99	-132.12	16.93	133.20	172.70	0.27
33	7,464	2.00	335.50	7450.89	-126.49	13.93	127.25	173.71	0.14



11/21/19 16:05

REFERENCED TO GRID NORTH

Proposed Direction:	0.00
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	TVD	N/S
	14295.26	-92.59

E/W	Surface
Feet	Vert Sec

11.92	-121.10
11.57	-117.09

11.80	-113.34
11.41	-110.64

10.92	-110.04
11.38	-110.79

11.90	-111.88
12.00	-112.82

12.26	-113.76
12.18	-114.19

11.34	-114.71
10.62	-115.03

9.74	-115.10
8.42	-114.92
5.95	-114.15

5.05	-114.15
-1.22	-112.86
0.01	-111.05

-6.91	-111.95
-11.72	-110.92
-16.54	-109.89

-16.91	-109.40
-22.33	-108.13

-27.85	-107.34
-33.03	-106.69

-38.24	-105.87
-43.70	-104.75

-49.08	-103.18
-54.74	-101.52

-58.09	-100.71
-59.53	-100.37

-62.51	-99.45
-64.29	-98.78

-65.92	-98.23
-67.45	-97.88

-68.96	-97.56
-70.66	-96.98

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V09.04.02

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11/21/19 16:05

Company:	Matador Production Co.
Well Name:	Shinnery Oak SWD #003
Location:	Eddy County, NM
Rig:	Patterson #282
Job Number:	MSMO-70360
API #:	30-015-45535

Magnetic Declination: 7.00

REFERENCED TO GRID NORTH

Proposed Direction: 0.00

Vertical Section Azimuth: 0.00

Survey Calculation Method: Minimum Curvature

#	Depth Feet	Inc		Azimuth Degrees	TVD Feet	N/S Feet	E/W Feet	Surface		Distance	Closure		DLS/ 100'	BUR/ 100'
		MD	INC					Vert	Sec		Distance	Azm		
PTB:		14,310	1			77.5	14295.26	-92.59	N/S		-65.75			VS
68	13,286	1.40	294.50	13271.55	-96.33	-72.09	-96.33	-96.33		120.32	216.81	0.29	0.29	
69	13,342	2.00	289.60	13327.52	-95.72	-73.63	-95.72	-95.72		120.76	217.57	1.10	1.07	
70	13,419	2.80	282.60	13404.46	-94.86	-76.73	-94.86	-94.86		122.01	218.97	1.10	1.04	
71	13,513	0.20	269.00	13498.42	-94.36	-79.13	-94.36	-94.36		123.15	219.98	2.77	-2.77	
72	13,607	0.30	137.70	13592.41	-94.55	-79.13	-94.55	-94.55		123.29	219.93	0.49	0.11	
73	13,701	0.50	101.70	13686.41	-94.81	-78.57	-94.81	-94.81		123.13	219.65	0.33	0.21	
74	13,795	0.80	96.50	13780.41	-94.97	-77.51	-94.97	-94.97		122.59	219.22	0.32	0.32	
75	13,890	1.00	82.30	13875.39	-94.93	-76.03	-94.93	-94.93		121.63	218.69	0.31	0.21	
76	13,984	1.40	77.40	13969.37	-94.57	-74.10	-94.57	-94.57		120.14	218.08	0.44	0.43	
77	14,079	1.70	74.90	14064.34	-93.95	-71.61	-93.95	-93.95		118.13	217.31	0.32	0.32	
78	14,174	1.90	77.50	14159.29	-93.24	-68.71	-93.24	-93.24		115.82	216.38	0.23	0.21	
79	14,258	1.00	77.50	14243.26	-92.78	-66.63	-92.78	-92.78		114.23	215.68	1.07	-1.07	
PTB:	14,310	1.00	77.50	14295.26	-92.59	-65.75	-92.59	-92.59		113.56	215.38	0.00	0.00	